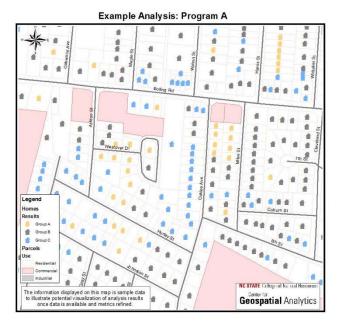
Powering Energy Efficiency & Impacts Framework Project Utility Benefits

Participating Municipal and Cooperative electric utilities that provide data for the mapping application will be able to use the application to assist with utility-driven programs. The mapping application will assist utilities with designing, operating, and evaluating programs in order to maximize impacts at the least cost.

Mapping Application Potential Features and Benefits for Utilities:

1. Identify, prioritize, and map candidate homes for programs

- Access computed home energy use metrics, such as peak load contribution
- Visualize distribution of homeowners based on defined metrics
- Color-code mapped homes based on criteria computed for program participation
- Improve marketing to homeowners by communicating existing and potential home performance
- 2. Measure and verify per-home and program-wide energy saving impacts
 - Computing energy savings from retrofits on a per-home basis
 - Improve program performance by incorporating feedback metrics
 - Improve grant writing by proving data on actual energy impacts from existing programs and visual depictions of representative homes
- 3. Improve collaboration between and integration of public services to enhance utility program impacts
 - Provide awareness and results of customer participation in non-utility programs such as the Weatherization program, DHHS, etc.
 - Partner with public service providers to identify overlapping or supportive opportunities for service delivery



Data Analytics for Utilities:

- Weather dependent energy use computed on a perhome basis
- Computation of relevant energy use metrics on a perhome basis, such as home size, home age, energy use intensity, heating and cooling performance, and peak load contribution
- Ranking and comparison of home energy performance along multiple metrics
- Identification of candidate homes for program participation in multiple programs using customized criteria
- Mapping of homes using customized color flagging
- Measurement of energy savings from retrofit homes in compliance with industry standard measurement & verification guidelines
- Evaluation of program impacts over time







